UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/845,573	04/30/2001	Michael Edison	40101/01201	2227

			EXAMINER

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ART UNIT	PAPER NUMBER
2154	

DATE MAILED: 07/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

		Application No.	Applicant(s)
Office Action Summary		09/845,573	EDISON, MICHAEL
		Examiner	Art Unit
		Mohammad A Siddiqi	2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). .

Status

1)☒ Responsive to communication(s) filed on *30 April 2001*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-20* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-20* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *30 April 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date <u>4</u>.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1.   Claims 1-20 are presented for examination.

Claim Rejections - 35 USC § 102

(e) the invention was described in a patent granted on an application for patent by
another filed in the United States before the invention thereof by the applicant for patent,
or on an international application by another who has fulfilled the requirements of
paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by
the applicant for patent.

2.   Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated

by Taivalsaari et al. (6,366,898) (hereinafter Taivalsaari).

3.   As per claim 1, Taivalsaari discloses method of communicating,

comprising the steps of:

forwarding to a first device a first request from a second device, the

first request including an application broker software package (col 5, lines

58-67, col 6, lines 1-2);

initiating at the first device a first instance of an application broker

from the application broker software package, wherein the first instance

includes an object to process the first request package (col 5, lines 58-67,

col 6, lines 1-2, col 4, lines 19-67);

establishing a first connection between the first and second devices in response to the first request (col 5, lines 58-67, col 6, lines 1-2);

receiving at the first device a second request from a third device (col 5, lines 58-67, col 6, lines 1-30);

initiating from the application software package a second instance of the application broker at the first device (col 6, lines 40-64), wherein the second instance includes an object to process the second request (col 5, lines 58-67, col 6, lines 1-64); and

establishing a second connection between the first and third devices in response to the second request (fig 14, col 5, lines 58-67, col 6, lines 1-64).

4.   As per claims 2 and 11, Taivalsaari discloses wherein the first instance of the application broker includes an applet broker (col 3, lines 32-39).

5.   As per claim 3, Taivalsaari discloses wherein the second device is an embedded device and wherein the application broker facilitates one of monitoring and manipulation of the second device from the first device.

6.   As per claim 4, Taivalsaari discloses wherein the first instance (col 4, lines 19-49) of the application broker reads information data included in data

forwarded from the second device to the first device to determine that the

data was forwarded (col 3, lines 48-60) from the second device (col 5, lines

58-67, col 6, lines 1-64).

7.   As per claim 5, Taivalsaari discloses wherein the application broker

export module opens a first communication thread between the first and

second devices and a second communication thread between the second and

third devices (col 5, lines 14-67).

8.   As per claim 6, Taivalsaari discloses wherein the first communication

thread utilizes a communication path different from that used to export the

application broker export module from the second device to the first device

(path and network link, col 5, lines 58-67, col 6, lines 1-29).

9.   As per claims 7 and 10, Taivalsaari discloses wherein the first instance

and the second instance exist simultaneously at the first device (Synching

application, col 5, lines 58-67, col 6, lines 1-29).

10.   As per claim 8, Taivalsaari discloses a software package comprising an

application broker export module (class manager, loads classes, see

Abstract) exportable from a first device to a second device (abstract, the

application broker export module including an instance opening sub-module

for opening a first instance of an application broker for managing operation

of applications exported from the first device to the second device and for

opening a second instance of the application broker for managing operation

of applications between the second device and a third device (Abstract, col

2, lines 14-30, (fig 14, col 5, lines 58-67, col 6, lines 1-64).

11.   As per claim 9, Taivalsaari discloses wherein the first instance of the

application broker includes a first plurality of objects for generating

messages for transmission to the first device and the second

instance of the application broker includes a second plurality of objects for

generating messages for transmission to the third device (col 4, lines 19-67,

col 5, lines 1-67).

12.   As per claim 12, Taivalsaari discloses wherein the first device is an

embedded device and wherein the application broker facilitates one of

monitoring and manipulation of the first device from the second device (col

5, lines 14-56).

13.   As per claim 13, Taivalsaari discloses wherein the first instance of the

application broker reads information data included in data forwarded from

the first device to the second device to determine that the data was

forwarded from the first device (col 5, lines 58-67, col 6, lines 1-30).

14.   As per claim 14, Taivalsaari discloses wherein the application broker

export module includes a thread opening sub-module for opening a first

communication thread between the first and second devices and a second

communication thread between the second device and the third device (col

5, lines 14-67).

15.   As per claim 15, Taivalsaari discloses wherein the first communication

thread utilizes a communication path different from that used to export the

application broker export module from the first device to the second device

(col 5, lines 14-67, col 6, lines 1-29).

16.   As per claim 16, Taivalsaari discloses wherein the applet broker

operates in conjunction with web browser software running on the second

device to interact with a web page (col 3, lines 29-60) hosted by the first

device (col 5, lines 14-67, col 6, lines 1-29).

17.   As per claim 17, Taivalsaari discloses wherein the first plurality of

objects includes a packet builder object to build one of requests and

responses to be transmitted from the first instance of the application broker

to the first device (remotes database loader, classfile source, col 6, lines 40-

52).

18.   As per claim 18, Taivalsaari discloses wherein the first plurality of

objects includes a packet parser object to parse one of requests and

responses received from the first device (col 3, lines 55-60, col 6, lines 40-

52).

19.   As per claim 19, Taivalsaari discloses wherein the first plurality of

objects includes a communications object to establish a connection between

the second device and the first device and to transmit one of requests and

responses between the first and second devices (conduit, col 4, lines 19-49,

col 5, lines 58-67, col 6, lines 1-29).

20.   As per claim 20, Taivalsaari discloses wherein the communications

object routes one of requests and responses to a corresponding one of the

first plurality of objects within the application broker (conduit, col 4, lines

19-49, col 5, lines 58-67, col 6, lines 1-29).

Conclusion

21.   The prior art made of record and not relied upon is considered

pertinent to applicant's disclosure:

U.S Publication 2002/0062338

U.S. Patent 6,131,166

U.S. Patent 6,430,564

Any inquiry concerning this communication or earlier communications

from the examiner should be directed to Mohammad A Siddiqi whose

telephone number is (703) 305-0353. The examiner can normally be

reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, John A Follansbee can be reached on (703) 305-

8498. The fax phone number for the organization where this application or

proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MAS

ZARNI MAUNG
PRIMARY EXAMINER